Science Data Systems Branch Technical Review
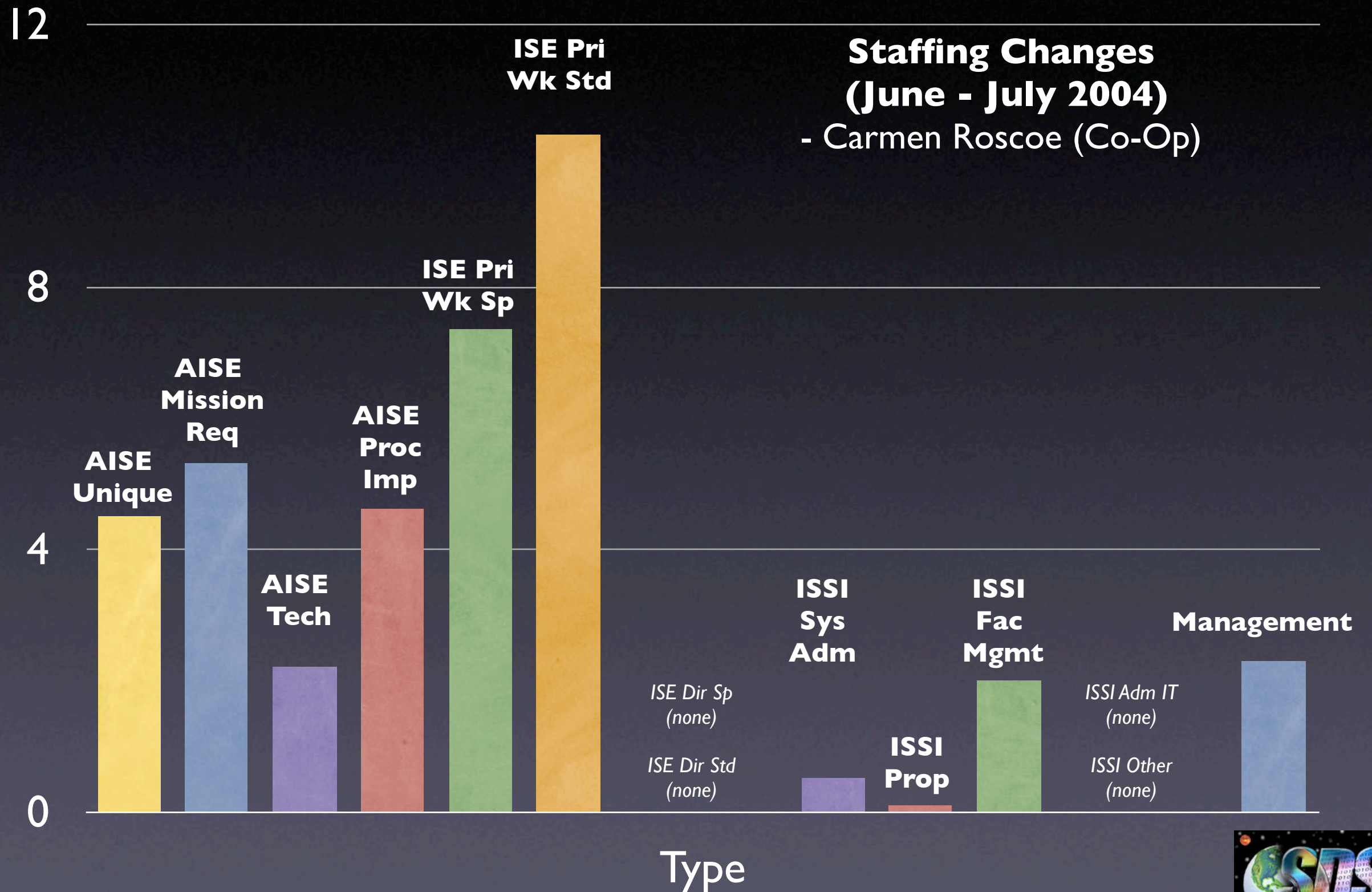

23 July 2004
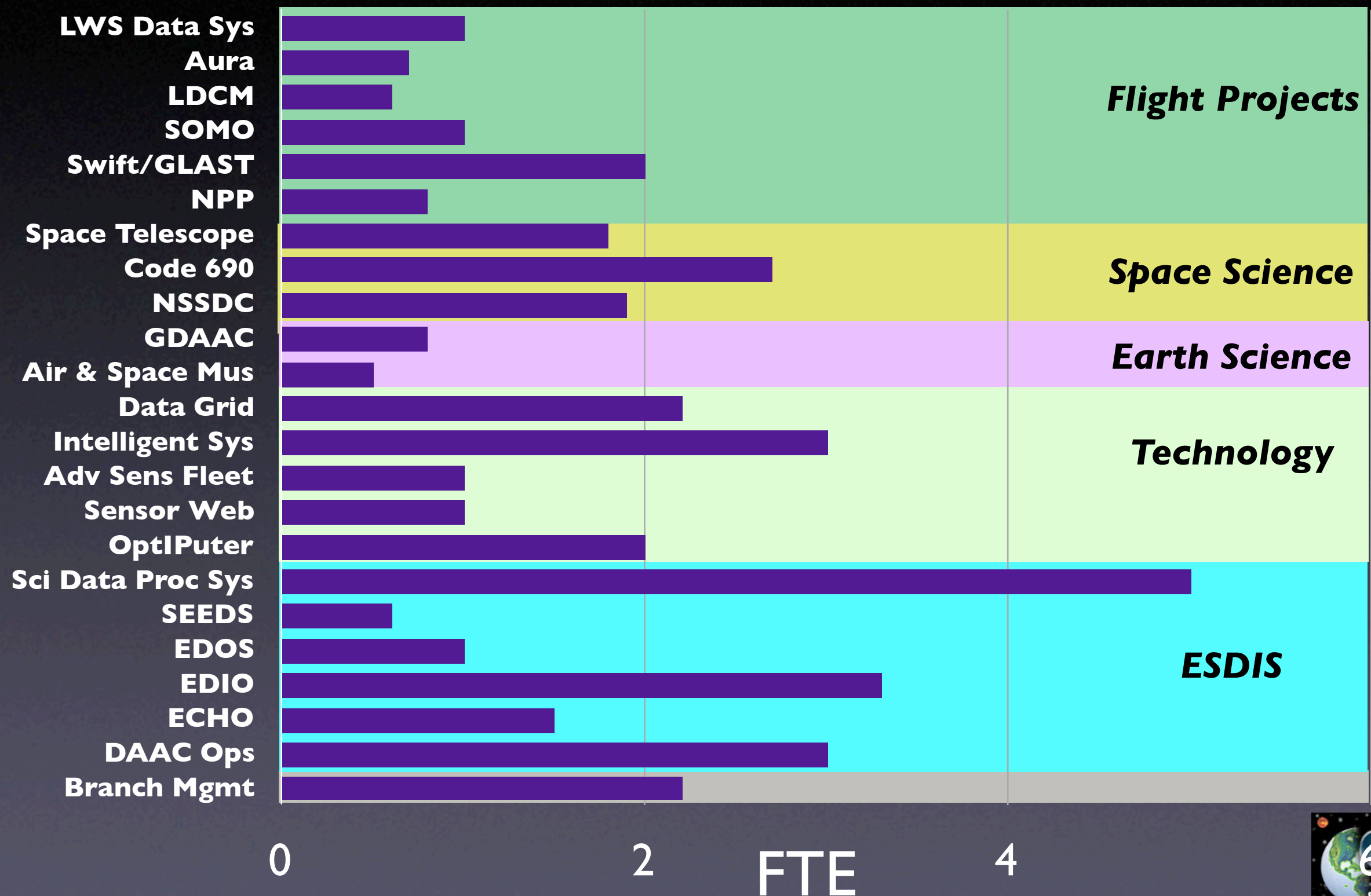Michael Seablom, Branch Head
Bob Lutz, Associate Branch Head

Code 586 Resource Model

**Staffing Changes
(June - July 2004)**
- Carmen Roscoe (Co-Op)

Project Status - External

Activity	May	Jun	Jul	ISD Date	CS	∂CS	Comments
DAAC Ops	🟩	🟩	🟩	03-28-2002	4		
ECHO	🟩	🟩	🟩	03-27-2004	1.5		SRR for WIST held; ECHO nomination for SW of the year; potential budget problems for 2005
EDOS	🟩	🟩	🟩	08-28-2003	1		Upgrades to data capture (tape to disk)
SDPS (SSDO)	🟩	🟩	🟩	06-27-2001	5.7		Release 7 completed; Aura SORR completed, went well
GES DAAC	🟩	🟩	🟩	01-24-2002	0.8		Aura ephemeris data received, processed, delivered to Aura teams
HST	🟩	🟩	🟩	10-23-2001	1		442 handling robotic servicing; lull for Kevin H. and Jim J.
JWST	🟩	🟩	🟩		1		
LDCM	🟩	🟩	🟩	08-28-2001	1		Working w/HQ on inst RFP for NPOESS and bridge mission (NPP2)
LEP/LHEA	🟩	🟩	🟩	09-26-2002	1.8		DELCOURT model dev proceeding
LIS	🟩	🟩	🟩		1		Slated for October conclusion; S. Olden scheduled to support Flight Software
NSSDC	🟩	🟩	🟩	01-29-2004	1.9		Working w/ Lockheed Martin Solar Astrophysics Lab to standardize web services throughout Code 630

Project Status - External

Activity	May	Jun	Jul	ISD Date	CS	∂CS	Comments
Aura Testing	🟩	🟩	🟩	**Today**	**1.5**		Proceeding to early-orbit checkout
GLAST	🟩	🟩	🟩		**1**		
SOMO	🟩	🟩	🟩		**1**		Supported Aura pre-launch, launch, and post-launch testing; supported HST testing
Swift	🟨	🟨	🟩		**1**		Previous test concerns addressed; some re-testing needed due to concerns from science team; some indication of understaffing on project
EDIO	🟩	🟩	🟩		**3.3**		Now working NOAA long-term archive activities
NPP	🟨	🟨	🟨		**0.5**		Successful presentation to HQ/Y on 6/23; revised Level 1 requirements determined; possible NPP SDS prototype for late summer

Project Status - Internal

Activity	May	Jun	Jul	ISD Date	CS	∂CS	Comments
Adv Data Grid				27 May 2004	2.2		1st delivery to LDCM
Fire Detection					1		Awaiting funding decision from Code T; processing moved to G5
Invasive Sp - EO1	NEW				0.3		EO-1 Aster/Hyperion scenes now being acquired
LWS Data System					0.8		Work in progress to identify metadata standards
Earth Today					0.5		R. Mullinix preparing for PIP2; work on schedule
Aqua/Aura Cueing					1.2		Major delay in acquisition of hardware
OptIPuter					1.5		GISS model ensembles now running on G5 and Compaq
RASC					1		Support shifting to "feature detection" analysis
Adv Sensor Fleet Software Dev					0		Support suspended until Jessica Matthews returns
Administration					2.1		K. Thomas now controlling property

Upcoming Proposals

- **FPGA/Data Assimilation Study**
  - Support from T. Lee (HQ/YS) - discussion w/ E. Torres (ESTO) in August
  - Proposal written for ESTO study
- **Sensor Web Simulator**
  - T. Lee has planned $1M for FY06 launch
  - Will seek R&TD CS charge numbers during FY05